

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/03/03

Date Received: 11/26/03

Project: % of Acid, PO# M92274, F&BI 311245

Date Analyzed: 12/02/03

RESULTS FROM THE ANALYSIS OF THE AQUEOUS SAMPLES
FOR SPECIFIC GRAVITY
@ 15.56 °C

Sample ID

Laboratory ID

Specific Gravity

M92274A Large

311245-01

1.27

M92274B Small

311245-02

1.28

FRIEDMAN & BRUYA, INC.

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**RESULTS FROM THE ANALYSIS OF THE AQUEOUS SAMPLES
FOR PERCENT OF ACID**

Sample ID

Laboratory ID

Percent of Acid

M92274A Large

311245-01

11

M92274B Small

311245-02

10

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/03/03

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Date Analyzed: 12/01/03

**RESULTS FROM THE ANALYSIS OF THE AQUEOUS SAMPLE
FOR FINGERPRINT CHARACTERIZATION
BY INDUCTIVELY COUPLED PLASMA (ICP)
EMISSION SPECTROSCOPY**

Samples Processed Using Method 3005A

The Metals Were Found at Approximate Levels Indicated

Results Reported as mg/L (ppm)

Sample ID: M92274A Large

Laboratory ID: 311245-01

Iron 40,000 ppm

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Date Analyzed: 12/01/03

**RESULTS FROM THE ANALYSIS OF THE AQUEOUS SAMPLE
FOR FINGERPRINT CHARACTERIZATION
BY INDUCTIVELY COUPLED PLASMA (ICP)
EMISSION SPECTROSCOPY**

Samples Processed Using Method 3005A

The Metals Were Found at Approximate Levels Indicated

Results Reported as mg/L (ppm)

Sample ID: M92274B Small

Laboratory ID: 311245-02

Iron 27,000 ppm

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Project: % of Acid, PO# M92274, F&BI 311245

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF AQUEOUS SAMPLES
FOR SPECIFIC GRAVITY
@ 15.56 °C**

Laboratory Code: 311245-02 (Duplicate)

Analyte	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Specific Gravity	1.28	1.28	0	0-2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/03/03

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Project: % of Acid, PO# M92274, F&BI 311245

**QUALITY ASSURANCE RESULTS
FROM ANALYSIS FOR PERCENT OF ACID**

Laboratory Code: 311245-02 (Duplicate)

Analyte	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Percent of Acid	10	10	0	0-20

311245

SAMPLE CHAIN OF CUSTODY

CM 11-26-03

AT

AKC-0008554

Send Report To G. Thompson
 Company ALASKAN Copper works
 Address 1628 S. Hamilton ST
 City, State, ZIP Seattle WA 98134
 Phone # 206-382-8779 Fax # _____

SAMPLERS (Signature)

Page # _____ of _____

PROJECT NAME/NO.

PO #

% of ACR

M 92274A

REMARKS

TUES or wed Please.

TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED											Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HPS	% of soil	Spec. Gravity	FE			
M 92274A	01	11/26	11:10	Huo3	1							/	/	/			
Large																	
M 92274B	02	11/26	11:10	Huo3	1							/	/	/			
Small																	

Friedman & Bruya, Inc.
 3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by: (Signature)

G. Thompson

Acr

11/26/03

11:36am

Received by: (Signature)

Nhan Phan

Friedman & Bruya

11/26/03

11:36

Relinquished by: _____

Received by: _____

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

December 3, 2003

DUPLICATE COPY

INVOICE # 03ACU1203-2

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project % of Acid, PO# M92274, F&BI 311245 - Results of testing requested
by Gerry Thompson for material submitted on November 26, 2003.

2 samples analyzed for Specific Gravity @ \$25 per sample	\$ 50.00
2 samples analyzed for Percent Acid Content @ \$50 per sample	100.00
2 samples analyzed for Total Iron by Method 6010B @ \$30 per sample	<u>60.00</u>
Amount Due	\$ 210.00

FEDERAL TAX ID # (b) (6)

FRIEDMAN & BRUYA, INC.

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3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

December 3, 2003

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

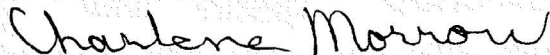
Dear Mr. Thompson:

Included are the results from the testing of material submitted on November 26, 2003 from the % of Acid, PO# M92274, F&BI 311245 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow
Chemist

Enclosures
ACU1203R.DOC